INTERNATIONAL
SUCCESS
STORIES

Innovative Solutions for
SMART
Education & Technology

Leading Provider of Education Technologies, e-Solutions and Vocational Education & Training

With our approximately 170 highly qualified employees working in 10 subsidiary companies, a professional management team and additionally approximately 100 external digital education experts within the eee group – education, e-solutions, e-government – eee Austria international projects GmbH [triple „e" Austria] headquartered in Graz, Austria is operating in more than 20 countries worldwide.

We are a leading provider in the fields of digital education, education technologies (Learning Management System, e-learning, e-examinations…) as well as school administration solutions (Education Management Information System) and digital safety & security management (fire prevention, facility safety, data protection protocol…). Further, we are also one of the leading companies in transferring the Austrian vocational education and training approach

(dual education…) internationally.

We live in continuous development from both sides: internally and externally. Internally by continuously striving to do a better job every day; Externally by meeting the needs of our customers by providing comprehensive and future-oriented products and services with a focus on 100% customizable solutions.

Utilizing our more than 50 years of experience, we are constantly striving to improve the world by following and supporting the UN Sustainable Development Goals.

The **eee group** in figures

- More than 50 years of combined experience
- 10 subsidiaries in 6 countries
- App. 170 employees
- Over 100 international experts
- Projects in over 20 countries
- Thousands of satisfied customers
- Far more than 1 Mio. users
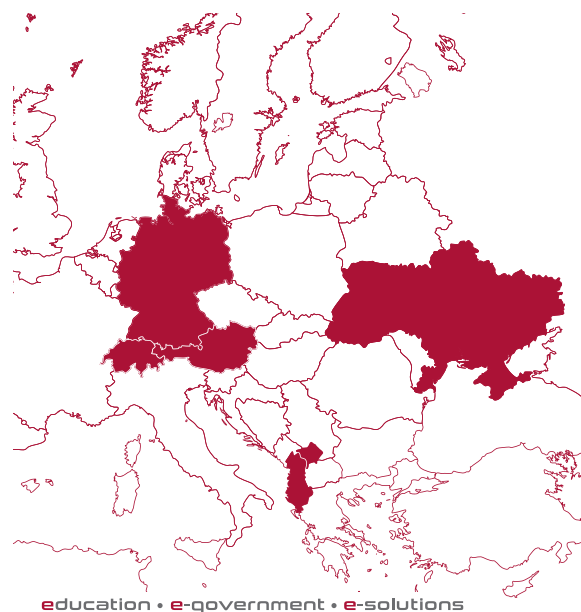
education • e-government • e-solutions

Our Corporate Product Portfolio

Education & Training

Vocational Education & Training

Curriculum Development & Teacher/Trainer Training

Digital Literacy & ICT Skills

Entrepreneurship Education

School, College & University Development

Blended Learning Solutions

e-solutions

Education Technologies

Digital Education & Training

Learning Management Systems

Mobile Learning & App Solutions

Off-the-shelf & Tailor-made e-Contents

e-Testing Solutions

Gamification & VR Solutions

e-government

School Administration (EMIS) Systems

Education Portals

e-Academy Solutions

e-Justice Solutions

Electronic Registers

Smart Safety Solutions

Consulting Services

Capacity Building, Human Resources Development, Technical Assistance, Software as a Service (Saas)

Our Costumers

Public Authorities

Big Companies & SMEs

Educational Institutions

Individuals

Our Teams

Our teams are our biggest value! We employ competent and customer-oriented people who know their important contribution for achieving our and our customer's goals.

The core team of eee Austria [triple "e" Austria] focuses on developing projects together and for our international clients. We are eager to support our client's strategies and measures for improving the digital education, vocational education and training system as well as e-government solutions to facilitate the growth of the economy, better employability of youth and ensuring a competitive workforce for the future by implementing fully digitized ecosystems as well as increasing resilience of the public education & training systems.

With our teams in Austria, Germany, Switzerland, Albania, Kosovo and Ukraine we employ ca. 170 people. In addition to the permanent staff, we have access to a pool of another ca. 100 external digital education, vocational and e-government experts, which can be mobilized quickly for long- and short-term service provision.

Our diverse teams consist of colleagues from more than 10 countries and speak more than 10 languages.

A Sign of Quality (not exhaustive)

2022: Constantinus Award 2022 for Project Vocational Training Center Medan, Indonesia

2022: Constantinus Award 2022 for Project Vocational Training Center Medan, Indonesia

2022: e-Learning Award 2019 for „Challenge-Based-Learning - Maths" Project

2021: Comenius EduMedia Award for „digi.skills"
2021: IÖB excellent Award for „SchoolUpdate"

2019: SFG Award as „Company of the Month April"
2019: e-Learning Award 2019 for „FRONTEX" Project

2018: Comenius EduMedia Award for „SchoolUpdate"
2018: Innovation-Award IT in the Category IT-Security for „PROVENTOR"

2017: Comenius EduMedia Award for „Anti-corruption" e-Learning
2017: Grade „Very Good" in the eLearning Journal test „Data Protection"

2016: Grade „Very Good" in the eLearning Journal for „SITOS six Learning Management System"

2015: Comenius EduMedia Award for e-Learning „Occupational safety"
2015: Innovation-Award IT for e-Learning Modul „Occupational safety"

...

2010: Export-Award in the Category „Services"

...

2007: EN ISO 9001 certified
2007: Staatspreis Consulting Award in the Category „Company Consultation IT"

...

2001: Comenius EduMedia Award

Our
Projects

Projects at a Glance (not exhaustive)

Maritime Vocational Training Center on Tourism and Joinery in Medan, Indonesia

Ministry of Manpower, Indonesia

The main objectives of Maritime Vocational Training Center (VTC) Medan Project are to train people in 5 specific maritime professions to be job-ready. The graduates need to acquire theoretical and practical skills that are immediately usable for the maritime tourism and joinery industry. Therefore, bit media focuses on practical training (at least 70%) combined with relevant theoretical training and internships.

Vocational training programs will be offered:
→ Kitchen Management (Western Cook/Cook Assistant)
→ Restaurant Management (Restaurant Specialist with special focus on Barista Skills)
→ Front Office Management (Receptionist)
→ Housekeeping Management (Housekeeper)
→ Joinery program (Joiners)

The project consists of following components:

Component I – The Training Programs / Skills Development
→ Curriculum Development for 5 Maritime Professional Trainings according to Austrian standards and aligned with specific Indonesian Labor Market Needs

Component II – Capacity Building & Product Supply
→ Recruitment of Teachers / Definition of Minimum Criteria
→ 13 weeks Professional Training of Teachers (in Austria and Medan)
→ Development and Delivery of e-Education Components available for VTCs
→ under the Ministry of Manpower
→ 12 Months Technical Assistance after enrolment of first students

Component III – Infrastructure & Equipment
→ Tourism building construction
→ Joinery building renovation
→ Equipment supply for both buildings:

All rooms will be furnished with corresponding equipment for school operation. In addition, the Practice Rooms for the Tourism building will be furnished with all appropriate equipment as required for a real, entire Hotel operation. Furthermore, in the joinery building the Joinery Machine Hall will be equipped with 9 high quality joinery machines from a renowned Austrian provider. The Joinery Group Work Classroom also will be equipped with 17 joinery benches and a set of hand tools per work station as well as additional hand machines in the room.

FACTBOX

→ General Contractor & Overall Project Management

→ Provision of e-education software (Learning Management System, ICTS basics e-contents, School Administration Software)

→ Adaption and Localization of e-education software (partially) into Bahasa Indonesia

→ Training of client's staff on the e-education systems

→ Technical Assistance of 75 Person Months

→ Maintenance and support

→ 496 students per school year

LOCATION

→ Medan, North Sumatra, Indonesia

ⓘ 12/2019 – 11/2022

KEMENTERIAN KETENAGAKERJAAN REPUBLIK INDONESIA

Improvement of e-Learning System in Laos

Ministry of Education and Sports, Laos

Information and communication technologies (ICT) are central to the creation of a global knowledge-based economy and society. In Lao PDR, the importance of ICT in Education was recognized at an early stage, especially since the Ministry of Education and Sports has started to implement the National Education System Reform Strategy.

The overall project objective was to improve the ICT-System for e-learning, as well as the school management information system of the Lao PDR. The project covered 6 components such as the e-learning management system called SITOS, ICT e-learning courses, an authoring tool for own e-learning content creation, the school management system SOKRATES, physical hardware structure and Capacity Building and Human Resource Development. All software was aligned towards the needs of the Lao PDR education system and delivered once in English and once in the Laotian language. The e-learning software was delivered by bit media e-solutions.

In recognition of the immediate as well as long term needs and priorities defined by the Ministry of Education and Sports as well as the ICT Center for Education and Sports, the Ministry of Education in cooperation with bit media e-solutions GmbH has created the following project proposal to improve the ICT system for e-learning as well as the educational management information system of the Lao PDR. This ensures the improvement of the overall pedagogical approach and educational standards in all institutions and enables a cost and time efficient workflow.

The project targeted numerous educational institutions, reaching up to 17 provincial ICT to 26 surrounding schools and provinces. Thus, over 2,998 teachers and 50,858 students in educational institutions all over the Lao PDR could be reached and the overall standards greatly improved.

In order to fulfill the project goals, bit media delivered these outcomes:

→ Implementation of the e-learning management system SITOS
→ Development of ICT e-learning courses
→ Implementation of authoring tool for its own e-learning content creation
→ Implementation of the education management information system (EMIS) SOKRATES
→ Purchasing a physical hardware structure
→ Capacity Building and Human Resource Development

FACTBOX

→ 515 people receive extensive training
→ All software delivered in English and Lao language
→ Implementation of the SOKRATES education management information system (EMIS)
→ Implementation of the SITOS e-learning system, with ICT contents
→ More than 50,858 students gain access
→ Hard- and software procurement and quality checks
→ Maintenance and support (user helpdesk)

LOCATION

→ Laos
🛈 07/2017 - 12/2019

Human Resource Management Information System

Tax Administration Reform Project (TARP) for the Government of the Republic of Tajikistan

In 2010, the Government of Tajikistan launched the Tax Administration Reform Project (TARP), which is financed by the World Bank, to reform the tax administration to become more efficient and effective in collecting revenue and improve the quality of taxpayer services. bit media e-solutions GmbH has been awarded with the contract after a two-staged tender process according to the World Bank procurement procedures.

HRMIS is the customized enterprise wide, system built as a web application, compatible with the Tax Committee (TC)'s operational framework. The system has a flexible role-based user management feature, that allows users to be divided with large number of privileges for each page, module, field, action and even button. The HRMIS system has a modular design, which consist of a number of components, subsystems, activities and operates in Russian and Tajik languages

Additionally, an extended support with on-site resources has been provided for the customer. Beyond the warranty work, the on-site support provided the TC with additional training and assurance, that the TC staff can experience an easy transition period and also simple management of maintenance and development of the new system during warranty period.

**HRMIS covers the following capabilities, providing human resources management more efficient:**

→ Payroll, Time and Attendance recording, Disciplinary Records, Leave requests/management
→ Tracking of staff positions, Recording competencies, Staff Locations
→ Recruiting, Transfers and Termination
→ Training, Learning Management System
→ Advanced Reporting System and Ready-made printing forms
→ Employee self-service portal, Task Management System

ⓘ 11/2016	development and implementation of Human Resource Management Information System (HRMIS) within TARP
ⓘ 09/2017	launching of the pilot version
ⓘ 09/2017 - 12/2017	transferring the staff's information from the old paper based system into the HRMIS
ⓘ 01/2018	all personnel activities of Tax Committee are processed through the new HRMIS
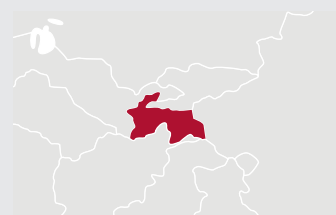
LOCATION

→ Albania

ⓘ 12/2014 – 05/2018

Digitization of the Albanian Education System

Ministry of Education and Sport, Albania

This project at the heart of the Albanian education system tackled two major areas – the modernization of management and the modernization of the pedagogical approach and teaching.

This was achieved by using a set of modular approaches: implementing a central e-education system with e-learning contents for ICT basics and an authoring system for content creation. In addition, the necessary server hard and software (operational infrastructure) was installed and implemented at the data center of the Albanian government. All software components delivered were accompanied with training modules. Employees of the Ministry of Education and Sports, other relevant authorities (regional directors, municipalities) and teachers across Albania (more than 3.800 people) were trained.

Digital education helps to ensure that existing educational programs and learning opportunities are made available to all learners with a broad outreach, i.e., even in rural areas, and to guarantee uniform, standardized knowledge transfer.

Wolfgang Schaffer, *Co-Owner & Managing Director M.I.T e-Solutions Austria*

FACTBOX

→ Implementing a first-class user helpdesk located in Albania

→ 3,000+ people trained

→ User training for teachers, administrators and school directors

LOCATION

→ Albania

ⓘ 09/2014 – 12/2016

Sustainable Education Management in Albania

Ministry of Education and Sport, Albania

This project aimed at improving management, planning and evaluation within the Albanian education system with the sustainable implementation of a centralized EMIS (Education Management Information System) in all schools managed by the MoES in the Republic of Albania. The system gives people at different levels (School directors, teachers, regional directors, Municipalities, Ministry) in the system the capacity to disaggregate economic, infrastructure, social (including minority groups) and educational data in terms of central, regional, district, municipal and school levels. An additional aim of this project was, that all necessary and relevant statistics for the Ministry of Education were delivered automatically.

With this project we were able to link all schools in Albania to one central system and trained more than 3.000 people all over the country and of each Albanian school on how to professionally use und utilize SOKRATES into daily school life.

Bernhard Böhm, *Head of Consulting & Project Mgmt. bit media education solutions*

e-Education: Modernization of the Kosovar Education System

Ministry of Education, Science and Technology, Kosovo

e-Education: Modernization of the Kosovar Education System

This project was aimed at modernizing of the Kosovar education management system and teaching methods. Several products were implemented: a central e-education system with e-learning ICT basics and business skills content and a content authoring tool. All software components were accompanied by trainings for all relevant people across Kosovo. Also, operational infrastructure was implemented in order to safely operate the software solutions nationwide.

In this project, we were able to make a significant contribution to improving the digital school and exam processes with our solutions. The pilot projects carried out were very successful and the solutions have been very well received.

Michael Holasek, *Authorized Signatory & Head of DevOps bit media education solutions*

ICT - Center of Competence Kosovo

Ministry of Education, Science and Technology, Kosovo

Aim of this specific intervention is to allow Kosovar students to engage in a new ICT CoC (Center of Competence) and benefit from new updated qualifications and upgraded standards of education. A new concept of VET School will be introduced applying the most significant elements of the VET dual system of some more developed contexts, adapted to the socio-economic reality of Kosovo. Services provided include development of occupational standards, curricula, learning materials as well as teacher training and provision of technical assistance during the complete project duration. Project services provided receive financial support from the Governments of the Republic of Kosovo and the Grand Duchy of Luxembourg.

During this project Kosovar students are able to benefit from a new VET dual System based on Austrian and Swiss standards which leads to new professions and upgraded standards of education.

Manfred Brandner, *Owner & CEO*
eee group

Frontex

European Border and Coast Guard Agency, Poland

The approach to instructional design was based on the highest standards, not only in the field of e-learning but also in the development of pedagogical approaches. This included the creation of target group-specific content, storyboarding, etc. Based on existing scenarios developed by Frontex experts, a new e-learning module was developed in which participants have the opportunity to familiarize themselves with fundamental rights and learn more about how they are an essential part of the daily life and work of border officials. In order to ensure the best possible quality, all courses were carefully checked and tested.

1. **Project:** fundamental rights
2. **Project:** return training

The most interesting part of this production was to establish a real film production set in a flight hangar and an airplane. A crew of professional actors, film makers and subject matter experts coordinated by the bit media film production team did a great job to visualize critical safety and security procedures.

Bernhard Panholzer, *Team Lead Content Production*
M.I.T e-Solutions Austria

Training System for German Bank Employees

Raiffeisenbank and Volksbank Germany

The VR-Training project was created in 2001 as a joint cooperative and complimentary training system by Raiffeisenbank and Volksbank for all employees in Germany. In 2009, its operation was outsourced to bit media and our learning management platform, SITOS was customized to the individual needs of VR-Training. The migration of the server operation, the learning modules as well as the registered user files to bit media's system was achieved smoothly. All source material was revised due to content and appearance, giving the training courses a modern look and feel with a high level of interactivity. With this, the system has become more flexible and performance has improved greatly.

The online trainings were recreated with a SCORM interface and iPad-compliant. As some of the WBTs are also available to people with visual impairments, they were also produced in a barrier-free version. During the revision over 20 learning hours were newly developed.

Sebastian Gauter, *Managing Director*
M.I.T e-Solutions Germany

Education Management for Austrian Schools

Ministry of Education, Austria

SOKRATES is Austria's leading school & education management information system and provides digital school administration as well as efficient digital workflows between schools and school authorities. A multi-client architecture together with a role-based user interface provide a powerful all-in-one solution. Through its data warehouse functionality, SOKRATES provides statistical data and reports on a daily basis. The innovative SOKRATES School Administration is the strong partner of schools and officials. By utilizing decades of experience and intensive cooperation on national and provincial levels, your school day is made significantly easier.

bit media is one of the leading European providers of digital school management software. And we are proud to be partner of thousands of schools, and school authorities, and to support our customers and partners in digital transformation and setup of an educational management system.

Walter Khom, *Co-Owner & Managing Director*
bit media education solutions

Platform for Austrian Presidential Elections

Austrian Federal Ministry of the Interior

e-Learning Tool for all assistants for the election process of the president of the Federal Republic.

For the rerun of the elections for the Austrian presidency bit media provided and hosted a supportive e-Learning tool, aiming at specifically training all assistants for the election within the short timeframe of two months. The e-learning content has been created by the SIAK (Security Academy of the ministry of the interior Austria) and implemented in cooperation with bit media. All the electoral assistants received an automatically generated certification after finishing the relevant e-Learning content. This system was then used in other elections and will continue to be used in the future.

Our learning management system SITOS was used as the training platform for the 50,000 assistants of the elections. With SITOS, any training scenario, no matter how complex, can be implemented. SITOS is a highly flexible and scalable learning management system that meets the needs of both small and large learning groups.

Irmgard Hoislbauer, *Managing Director*
M.I.T e-Solutions Austria

DIGIT – Provision of e-Learning Courses

European Commission

Customization of e-Learning Course Modules

The project aimed at providing off-the-shelf course modules, technical consultations, customization, and localization of e-learning course modules. The main focus was on standardizing the level of knowledge of several Microsoft Office products and the handling of electronic media by EC employees from various European countries. All contents were translated into several languages and set to audio with native speakers. Over the extent of 4 years, bit media provided an extensive portfolio consisting of various off-the-shelf and customized course modules to support e-learning and blended learning for EC employees.

The biggest challenge of this project was the sheer volume of learning content to be localized. Only excellent project management ensured the production of about 25000 illustrations and the translation and dubbing of about half a million words in professional quality.

Bernhard Panholzer, *Team Lead Content Production M.I.T e-Solutions Austria*

European Civil Protection and Humanitarian Aid Operations (DG ECHO)

European Commission

DG ECHO manages the European Union's disaster response and is the world's largest donor of humanitarian aid. As part of its disaster response within and outside of Europe, community civil protection training courses were created to train civil protection staff and experts. Within these projects, bit media developed an online preparation tool including an online platform and 13 e-learning modules to prepare, train and test employees as a prerequisite to specialized civil protection courses. Within the follow-up project, DG ECHO II and III, all existing e-learning courses (over 100 in total) were updated and integrated into a new platform. Also, 4 additional modules have been developed within DG ECHO III.

During many years of cooperation with the European Commission, we have digitally transformed the training of civil protection and disaster protection. In close cooperation with DG ECHO (DG for European Civil Protection and Humanitarian Aid Operations), a comprehensive e-learning program was developed by bit media that is used across Europe for the training of experts in disaster operations.

Walter Khom, *Co-Owner & Managing Director bit media education solutions*

Fully-Automated Certification System for the Austrian School System

Austrian Federal Ministry of Education

E-Testing as an outstanding implementation:

ITS, the interactive testing studio, was implemented as a complete solution for the execution of electronic ECDL (European Driving License) as well as ESC (European Skills Certification) tests in Austrian schools. ITS was developed by bit media and has been officially approved by the ECDL Foundation as well as the Austrian Chamber of Commerce as one of the most modern automated test systems. In the meantime, other exams such as DCP (Digital Competence Pass), SSC (Social Skills Pass) and GFC (Green Future Certificate) are also processed via ITS in Austria. For some years now, the digi.checks of the Ministry of Education have been offered via ITS including the annual digi.check competition at the Austrian higher commercial schools (HAK).

The digital test system ITS is considered to be the pioneer of electronic examinations and tests at Austrian schools. The system has been continuously developed and refined - from test creation to exam administration and certificate issuance, everything is organized with ITS today.

Katrin Khom, *Auth. Signatory & Head of Product Mgmt. bit media education solutions*

Tec4Vet - TVET e-Learning Nuggets

Austria

In a digital „showroom", tec4vet, technical e-learning content in English was made available for demonstration in which Austrian educational know-how was combined with the latest Austrian knowledge in the field of e-learning technologies to attract potential national and international customers in order to convince them of the value of e-learning within companies.

The platform, called tec4vet, offers highly intuitive e-learning content for technical vocational training. Whether mathematics, electrical engineering or mechanics - the exchange of knowledge for sought-after technical professions has never been so easy! tec4vet uses well-known e-learning courses, builds on state-of-the-art e-learning standards that are geared to an international target market, and provides in-depth technical knowledge to improve training on an easy-to-use platform.

Digitalization in technical vocational education and training is a high priority. We need to foster attractiveness of skilled jobs for today's youth and young adults as a very important pillar of our society. With tec4vet we aim to offer support in this direction, particularly, in quite important STEM fields such as, science, technology, engineering and mathematics.

Stefan Düss, *Co-Owner & Managing Director eee Austria international projects*

TecXport - TEChnology and eXPORT

Austria

TecXport is a platform made for innovative companies from Austria to promote their technologies easily and specifically to potential customers worldwide. Compact technology-profile description makes it easy for potential customers and interested organizations to find suitable solutions for their projects and business challenges. The Tecxport-Initiative, which is supported by the Federal Ministry of Transport, Innovation and Technology and the (Austrian Research Promotion Agency in cooperation with the AUSSENWIRTSCHAFT AUSTRIA supports technology transfer to distant markets all over the world.

The goal of this project is having a tool to connect exporting companies from Austria with potential customers worldwide which are looking for Austrian goods and services.

Manfred Brandner, *Owner & CEO*
eee group

SITOS six for the Ministry of Defence

Austrian Federal Ministry of Defence

The Austrian federal armed forces use SITOS six for the education and distance education of sergeants, officers and all other employees. The new training course model provides valuable educational support. By using a special connection, general attendants but also military workers are also able to join a live webinar or video session with a full integrated Adobe Connect solution. More than two hundred tutors/authors create their own learning paths and eLearning content by using the integrated authoring tool Xerte (opensource product). Last but not least, the tutors create their own tests with our additional SITOS module e-Testing to evaluate the knowledge results of the trainees.

Due to its modularity, the most diverse training scenarios can be implemented with our learning management system Sitos. The concept for the training of sergeants and officers of the Austrian federal armed forces relies not only on the standard functionalities of Sitos, but also on the modules of e-Testing, Video Streaming and Virtual Classroom.

Wolfgang Schaffer, *Co-Owner & Managing Director*
M.I.T e-Solutions Austria

Microlearning Platform for the City of Vienna

Municipal department 14, City of Vienna

Within this project, bit media implemented a software platform enabling the City of Vienna to offer modern "micro" learning, allowing them to easily prepare and host small learning content as well as to store and document each learner`s learning progress. The system was successfully implemented into the infrastructure and hardware of the customer's existing computer center (on the premises). Administrators and content developers of the client were trained by bit media to ensure efficient and effective future use of the system. As a first step, the Vienna administration academy integrated the LMS into its training programs. Subsequently other institutions of the City of Vienna will also access the MicroLearning platform. The system is expected to administer up to 8.000 users with approximately 24.000 learning processes each year.

The platform makes it possible to prepare and host learning content in small learning steps (microlearning) and to document the learner's progress. The learning steps are stored in the software and in all variants that appeal to the senses (videos, knowledge checks, etc.). The executability is guaranteed on all standard devices.

Sandra Brandner, *Auth. Signatory, Head of Sales & MKT M.I.T e-Solutions Austria*

Delivery of the European Entrepreneurial Skills Certificate (ESP)

Junior Achievement Europe

The Entrepreneurial Skills PassTM (ESP) is an international qualification that certifies students (15-19 years old) to start a business or to be successfully employed. The initiative includes a full-year in-school mini-company experience; a self-assessment of entrepreneurial competences; an examination of business, economic and financial knowledge and the possibility to access further opportunities offered by businesses, top higher-education institutions and international organizations across Europe. As an essential project partner, bit media fully developed the e-testing tool for self-assessment and certification exams. ITS has been used for years to execute those exams for the ESP in more than 40 countries from Europe, Africa, Latin America and Asia. The number of participating countries is increasing every year.

We started with a few European countries and meanwhile ESP participants strengthen and measure their entrepreneurial skills and abilities worldwide. They reflect on their skills and project experiences with our online self-assessment tool, prove their knowledge with our electronic tests and finally get their certificate of completion.

Katrin Khom, *Auth. Signatory & Head of Product Mgmt. bit media education solutions*

→ First online platform to track apprenticeship progress

→ Progress report shared with teachers and training supervisors

→ Communication platform beyond learning steps

→ Targeted at apprentices, teachers and apprentice supervisors

LOCATION

→ Austria

ⓘ 11/2018 - 06/2020

Digital Apprenticeships

Tracking your apprenticeship online

The application Digital Apprenticeship tracks the skills-gain of apprentices during each year of their apprenticeship. This online platform enables apprentices to view their educational targets and keep track of their progress. Also, teachers and apprenticeship supervisors have access to these progress reports and are therefore well-informed regarding the learning/skill status of their students. In addition, teachers and apprenticeship supervisors can communicate with their apprentices within the application and can up and download learning materials.

The pilot project Digital Apprenticeship was scheduled from 10/2018 to 12/2019. The participants were vocational schools and companies that seek to visualize the learning progress of the apprentices and improve the communication between teachers, apprentices and companies throughout the apprenticeship.

Funded by Austrian Chamber of Commerce

This initiative, is one of the milestone projects in the digitalization of the Austrian education system. Through the results achieved within this project, we are able to make vocational education transparent for all education partners such as students, teachers and instructors, as well as parents and employers.

Wolfgang Schaffer, *Co-Owner & Managing Director M.I.T e-Solutions Austria*

FACTBOX

→ 65 schools / training centers and 40 SMEs were reached during the project time

→ Specially created welding E-Learning courses for students

→ internationally acknowledged certification

LOCATION

→ Slovenia, Austria

ⓘ 05/2018 - 04/2021

INNOVET SI - AT

Interreg, WKO, Land Steiermark, Land Burgenland, Slovenia

The aim of this project is to improve the image of the teaching profession and increasing the number of apprentices and skilled workers. Additionally, this project makes the transition from training to work easier by adapting vocational training to the actual market requirements. The project develops innovative approaches for certain occupations, with a focus on the welding profession.

Project goals:
→ Make the apprenticeship training for welders more attractive and practical
→ Fight the shortage of skilled workers in the Austrian-Slovenian border region
→ Train mentors in companies practically and pedagogically
→ Set up pilot classes in Austria and Slovenia

Skilled workers and their technical vocational education and training are key success factors in our economies. Integrating e-learning and other digital education tools enriches & updates the available curricula and makes the training more attractive to young people. That's the objective we want to reach with our participation in this project.

Stefan Düss, *Co-Owner & Managing Director eee Austria international projects*

Project Innovation and Digitization for Education Systems from Austria to Bangladesh (IdeaB)

Ministry of Education, Ministry of Primary and Mass Education, Bangladesh

The project was funded by European Union's Horizont 2020 research and innovation program under the grant agreement no.822273. The main goal of the project was to determine viability and possible limiting factors for the implementation of the future project, transfer of knowledge and know-how of Education Technologies (EduTech) from Austria to Bangladesh. The long-term aim is to improve the quality of education services, training, and communication, improve education administration, and contribute to human resources development and capacity building for the broader public. Introducing EduTech to civil servants and enhancing their knowledge and skills is the first step in providing better services to citizens.

ICT has enriched our abilities to turn over the data into useful information. The government of Bangladesh has declared its 'Vision 2021: Digital Bangladesh' with the main objective of developing Bangladesh to a middle-income country, using Information and communication technology as an activator.

Theresa Wutz, *Auth. Signatory & Head of Project Dev. eee Austria international projects*

Challenge Based Learning Applied Mathematics

Austrian Federal Chamber of Commerce

Serious learning is more than a buzz word when it comes to the need to teach young people applied mathematics to master everyday calculations for career and general life. Learning works best, if examples are related to typical situations and the acquired skills are perceived as useful. Challenge based learning confronts users with challenging tasks and provides the learners with useful hints and short learning input. The aim of this project was to improve basic mathematical skills of job apprentices. Unfortunately, even after finishing school many young people are not able to solve every day mathematical calculations. This content supports this group of learners for their start in a new job and to deliver mathematical learning skills in an entertaining way.

Challenge based learning is a new pedagogical concept developed especially for young digital natives (Gen Z). The learners help the characters in this learning game to solve challenges by solving typical everyday calculations within the typical lifestyle of young people.

Bernhard Panholzer, *Team Lead Content Production M.I.T e-Solutions Austria*

Feasibility Study "Opportunities for Technology Transfer from Austria to Kyrgyzstan in the Sphere of Labor and Social Protection"

Ministry of Labor and Social Development, Kyrgyzstan

The study was conducted in cooperation with the Kyrgyz Ministry of Labor and Social Development (MoLSD) and explores opportunities for technology transfer from Austria into the area of labor and social affairs. The overriding goal is to present current needs in the areas of technical vocational training and e-government mentioned by the MoLSD as precisely and concretely as possible and explore starting points for the use of Austrian technologies in these areas. Within the framework of the study, factual and practical starting points for Austrian technologies were developed for the planned expansion and development projects of the MoLSD. The study is intended to serve Austrian companies for project acquisition and as an incentive for the Kyrgyz government to cooperate with Austrian partners.

Thanks to the active cooperation with the relevant Kyrgyz authorities – we could identify concrete needs and requests for opportunities for technology cooperation between Austria and the Kyrgyz Republic in the fields of education, labor and social development.

Stefan Düss, *Co-Owner & Managing Director*
eee Austria international projects

e-Government Study
Lao People's Democratic Republic

Status quo and possible usage of Austrian Technology in the Laotian Market

In the context of this study in Laos, bit media e-solutions supported ML11 in analyzing e-government structures in Laos as well as in presenting possible applications of Austrian e-government technologies.

The main objective of the study was to find possible sustainable points of connection for Austrian expertise and technologies in this area through a qualitative analysis of the current state of the Laotian e-government sector. This should improve the competitiveness and quality of the Laotian e-government sector as well as facilitate project acquisition for Austrian companies in the sector. In general, the study mainly asked for the development of concrete project possibilities and synergies between Austria and Laos for the implementation of long-term and sustainable projects.

It was a great pleasure to play a vital role in this onsite study. The result of the study was also that Austrian curricula, training courses and awareness campaigns can be easily transferred and implemented by Austrian technology partners.

Theresa Wutz, *Auth. Signatory & Head of Project Dev.*
eee Austria international projects

Digital Fire Prevention for Hotels in 5 Countries

JUFA Hotels, Austria

Fire prevention is an important topic for all facility managers in Austria and also other countries. It is necessary to check that all fire prevention objects are functional and prepared for an emergency situation. The PROVENTOR software supports all that processes and inform the responsible persons in time. Tasks will be generated automatically and every issue will be stored within a secure protocol.

The JUFA Hotel Group was founded 1991 in Graz/Austria and has more than 60 Hotels in Europe. Fire prevention is very important in hotels therefore JUFA decided to manage this topic with a digital solution 6 Years ago. They started with the bit media IBB software, that was the previous product of the PROVENTOR safety solution. In 2018 JUFA migrated from IBB to the new product PROVENTOR fire prevention and did a rollout to all hotels, inside and outside of Austria. With PROVENTOR responsible employees get a task for each controlling instance every month, and they must do inspections on regular basis. Every hotel is a technical client in PROVENTOR, so the fire protection officers work in their hotel, but they are not able to see other locations where they have no rights. The headquarters in Graz has a report view over all hotels and gets information about all issues and problems in all locations.

PROVENTOR Fire PREVENTION:

→ Facility Management with detailed documentation
→ Additional control and examination guidelines
→ Examination with QR Code or NFC technology
→ Offline functionality with using PROVENTOR APP
→ Extended Issue and task management
→ Auditable fire prevention or object safety protocol
→ Integrated functions for escalation and emergency

We have worked on the topic of fire prevention since 2006. It was an individual software development for an Austrian school department. Following this special project, we recognized that this interesting topic is a perfect basis for a successful product.

Harald Dunst, *Managing Director*
PROVENTOR e-solutions

FACTBOX

→ Digital fire prevention solution by PROVENTOR
→ One multi-client system for more than 60 hotels
→ Monthly inspections with the PROVENTOR mobile APP
→ Complete reports and issue management for the headquarter

LOCATION

→ Austria, Germany, Switzerland, Lichtenstein, Hungary
ⓘ 2015 - ongoing

JUFA® HOTELS

Previous Achievements

1 Training for Health Insurance Card Roll Out

→ e-Government

→ Training

→ Service & Support

→ Austria

🔖 10/2004 – 11/2005

2 Data Security Capacity Building

→ Capacity Building

→ Expertise Exchange

→ Data Security

→ Russian Federation

🔖 2006 – 2009

3 Partner for Education Projects

→ Curriculum Development

→ School Administration

→ Teacher Training

→ North Iraq/Kurdistan

🔖 03/2006 – 12/2009

4 Education of IT Teachers for Technical College

→ e-Learning

→ ECDL Certification

→ ICT Training

→ Ethiopia

🔖 07/2006 – 07/2007

5 IT Education for Teachers of Deaf Children

→ Education Management

→ Content Creation

→ e-Learning

→ Kenya

🔖 07/2006–10/2007

6 E-Learning support for the conversation of the Nile

→ Concept Development

→ e-Learning

→ Education Management

→ Northeast Africa

🔖 08/2006 – 08/2007

Our
Core Products

Our Core Products at a Glance

e-Learning Content

Practice-oriented online courses for self-directed learning

Soft skills, leadership, compliance… No matter the topic, use our practice-oriented, attractively designed standard courses or customized training units tailored to your individual needs to provide your employees with additional training.

e-content
knowledge on demand

Standard courses

Choose from over 200 courses on a variety of topics for targeted employee training, compulsory briefings, or voluntary education and qualification options.

Our standard libraries

→ Compliance
→ Health, safety and environment (HSE)
→ IT users
→ Management
→ Productivity and soft skills
→ Security skills
→ Technology
→ Finance and economics

Individual courses

In many cases, "off the rack" will not be enough to meet your individual training requirements, so we aim to come up with online courses and training units that are tailored to your needs as closely as possible. Naturally, this also includes adjusting the contents to your corporate identity.

Whether it's product introduction, compliance, or soft skill training courses, we are here to make sure you achieve your training and qualification goals in a cost-effective, timely and successful way. This will save you time and money while also providing great results, as you will be benefitting from our extensive experience, which has allowed us to optimize our processes for efficient production.

AUDIT

ANALYSIS

EVALUATION

GOAL

RESULT

MEASURE

PLANNING

SELECTION

ITS Assessment

A simple, fast, well-researched way to elevate your candidates' and employees' abilities, skills and expertise!

its assessment
digital - smart - accurate

The full package for carrying out assessments

ITS^{R3} (the testing system) is a tool that can help you effortlessly organize, carry out, and automatically evaluate electronic assessments.

Use our ready-made test modules and start carrying out your own competence assessments right now.

Alternatively, ITS^{R3} and its many different task formats can be used to implement individual testing modules according to your needs.

Flexible organization according to your needs

Assessments for employee recruitment are often carried out at fixed times (with all candidates being tested at the same time) – or you can opt to hold exams at different times and in different locations.

The same applies to competence tests for your employees – any employee can take their test directly at their working space without being limited to a particular time window.

Preselecting candidates

The system offers an easy, fully automated way to test and analyze your candidates' potential.

Employee support

Use neutral skill evaluation options to aid your decision-making process.

Objective evaluation

Get a clear picture of your employees' abilities and weaknesses.

Efficient skill assessment

Personnel recruitment made easy

Use the automatic, well-structured assessment evaluation functions in order to make quick, objective decisions.

https://its.bitmedia.at/ba/
Don't hesitate to get in touch with us, we are happy to support!

Targeted employee support

Take advantage of the evaluation to uncover knowledge gaps or identify potential areas for improvement.

Individual assessments tailored to your needs

Select the most suitable modules for your employees depending on the specifics of the position.

ITS Assessment modules

Basic competences

- **Typing**
  transcription (keystrokes, error rate)
- **Logical thinking**
  spatial reasoning, numerical series

Other competences

Your individual assessment modules

- We are happy to implement your ideas and contents!
- Or: We can provide coaching and ITS Editor, so that you can do it yourself.

Digital competences

- **Editing documents**
- **Spreadsheet analysis**
- **Creating presentations**
- **Working with email programs**

- **Information Worker**
  Office assistant, Administrator, …
  Cross-section of competences: Documents, Spreadsheet analysis, Presentations & emails

- **Manager / Expert**
  Executives, leaders, Employees with special functions
  Additional IT and MS Office Competences

Linguistic competences

Based on the Common European Framework of Reference for Languages

- **German A2-C1**
  Elementary and independent user
- **German B1-C2**
  Elementary and independent user
- **English A1-C1**
  Elementary and independent user

For each segment: listening/speaking, reading, writing – grammar, writing – vocabulary

SITOS®

Next Generation e-Learning

**Product training, knowledge ma-
nagement, compliance courses,
office training, coaching, tests and
exams – the SITOS learning ma-
nagement system is a perfect match
for all the challenges of a modern
enterprise.**

Further education at the highest level

As a modular e-learning system, SITOS is based
on a newly developed method model. Combining
state-of-the-art communication with an intuitive
design for any media terminal (Full Responsive
Design) and a blend of media channels (audio,
video, forums, blogs, social media), it can
guarantee a successful learning experience. As
a modern system for managing academies and
further education institutions, it can make learning
simpler, more individual, and more independent.
With perfect coordination, it combines every
aspect of learning in one centrally managed and
individually distributed platform.

SITOS is available in three varieties: SITOS Easy,
a simple cloud solution for fast, uncomplicated
learning, SITOS Standard, the classic learning
management system with all the basic functions,
and SITOS Enterprise, which can be perfectly
tailored to your company's needs.

The technology of SITOS

→ A modern online platform based on new
technologies

→ Adapted design for all common media
terminals (Full Responsive Design)

→ Software as a service (SaaS) or local
installation

→ Web services and intersections with a range of
different systems

onboard

An App for integrating new Employees

Digitalize your onboarding process – easily and efficiently, using onboard.

The challenge of onboarding

The integration of new employees presents a significant challenge for many companies. A lack of information and poor communication make effective integration very difficult and can even cause new employees to feel disoriented and unmotivated.

A professional onboarding process will make embarking on a new routine much easier for your new employees and lay a solid foundation for successful collaboration.

All necessary information ready to hand over

The "onboard" app keeps all the necessary information handy for employees – not just during their first weeks, but even during the preboarding phase, i.e., before they start working at your company. This will make them feel appreciated right from the start and make them feel motivated to be productive.

onboard
onboarding and information

An overview of the benefits

→ All your information in one app

→ Focus on what really matters

→ Uniform channel of information

→ Increases employee motivation

→ Attractive depiction with adaptable templates

→ Increases trust and integration

→ Options for individualization via adaptable content and CI

SOKRATES

School Administration System

A highly modern school administration for any type of school – available online at any time.

SOKRATES Student Administration

The SOKRATES school and student administration system can be used to organize a wide range of student data – from basic information, addresses, subjects, modules to a student's entire performance and education history. This information can be comprehensively collected and analyzed using lists, forms, and tailored search functions. SOKRATES also provides an interface for extensively documenting education.

SOKRATES Staff Administration

From teacher data, addresses, forming teacher lists to other elements, including subject distribution, timetables, absence lists and substitutes – SOKRATES can support you in the efficient organization of a broad range of staff data. Additionally, the system offers functions for calculating activity rates and visualizing overtime statistics. Using universal output interfaces, this data can easily be processed in other electronic administration systems.

SOKRATES for Authorities

SOKRATES also offers a comprehensive administration system for authorities.

Reference date statistics and analysis as well as integrated authorization processed make SOKRATES a truly versatile school administration instrument.

Who is SOKRATES for?

This tool was developed for use in a variety of different school types and as a supporting instrument for education authorities in exchanging data and coordinating activities with schools. In Austria, the system is currently being used in the following schools:

- ➔ Primary schools and special schools
- ➔ Secondary schools
- ➔ Polytechnic schools
- ➔ Vocational schools
- ➔ Agriculture and forestry schools
- ➔ General education schools
- ➔ Preschool education institutes
- ➔ Social pedagogy institutes

SchoolUpdate

Communication made easy

Short notices, passing on information sheets, announcing important dates or events: SchoolUpdate helps to facilitate communication between schools and teachers, parents, and students.

What is SchoolUpdate?

SchoolUpdate is the digital version of the classic parent notebook. Messages, information, and files can be easily distributed to parents or students via the web platform or mobile app. Checking signatures is a thing of the past – now you can simply receive electronic confirmations via SchoolUpdate. A simple way to make sure you stay in the loop – that's SchoolUpdate.

What are the benefits of using SchoolUpdate?

→ Safety and data protection compliance; clearly traceable exchange of information

→ All relevant information, appointments, digital opportunities, support, etc. in one app

→ Communication across language barriers using automatic translation functions

→ Direct, efficient transmission of information – e.g., reporting absences, communicating postponements, sending emergency messages

Overview of the Functions

→ Messages (schools, teachers, parents and students)

→ Reporting and managing absences

→ Calendars and appointments

→ Recommendations / links

→ Homework and assignment files

→ Lists and surveys

→ Parents' days

→ Emergency text messages

Vocational Education
and Training

International projects with a broad variety of key course elements, such as tourism & hospitality, joinery, welding and many more have been realized by bit media's strong and proven partnerships for educational development in the field of vocational education and training (VET). These projects range from school establishments to upgrades of already existing schools or vocational training centers, whichever is locally desired.

The Austrian VET System

Our best-practice approach is based on the Austrian VET system, which is classified as world class around the globe and combines cutting-edge methods with established education practices.

Innovative curricula and training delivery models, quality assurance for content and trainers as well as the transfer of international experience and know how to local stakeholders are only some of the key benefits delivered as part of our customized solutions. Successful implementation is further ensured by the strong involvement of our international partner network to strengthen experience and job perspectives.

VET by bit media - activities:

→ Customized vocational training and further education
→ Professional curriculum development
→ Taylor made Training of Teachers (ToT)
→ Technical Assistance by international experts

Smart Safety Solutions by

PROVENTOR

Our solutions are comprehensive tools for safety and maintenance. Our software supports many prepared safety processes, but also gives you the opportunity to implement your own maintenance and safety issues. The flexibility gives your creativity, a lot of leeway and enables tailor-made solutions.

Data protection

PROVENTOR supports organizations of all sizes in the implementation of data protection according to GDPR. We deliver software that has been checked by experts, support you with individual activities, or take over the entire responsibility for data protection by external experts.

Fire prevention

PROVENTOR Fire Prevention generates personal tests or controls, enters the implementation in the safety log and manages any defects found or escalated to superiors if activities were not carried out on time.

Service management

Special guidelines from different industries make it necessary to carry out individual maintenance or checks. In addition to PROVENTOR's standard topics such as fire protection, property safety and data protection, our customers have the option of creating and documenting tailored maintenance and test catalogs.

digi.skills education

Digital skills in education

With the integrated competence checks („skills.checks"), the competence level is ascertained and an individual, customized learning recommendation is created. This becomes apparent by adapting the learning traffic lights to the learning needs. In this way, digi.skills enables efficient, targeted and needs-based learning.

Kompetenz-Check + e-Learning = digi.skills

Advantages at a glance

→ Integrated competence checks („skills.checks")

→ Needs-oriented, targeted learning

→ Easy integration into the classroom

→ Intuitive learning environment

→ Flexible implementation and simple organization

→ Verifiable training measure

→ Aligned with master plans for digitizing education (8-point plan, DigitalPakt Schule, etc.)

i-INFORM from PROVENTOR

Whistleblower System i-INFORM

The i-INFORM whistleblower system, developed with the highest security standards in Austria, is a software solution to comply with the EU Whistleblower Directive. The system supports the possibility of anonymous reporting of whistleblowing, a secure feedback channel and a comprehensive case handling including task function. All types and sizes of organizations are supported by i-INFORM in implementing these legally required measures.

→ System for compliance with the EU Whistleblower Directive

→ Anonymous input options for whistleblowers

→ Secure communication through unique key

→ Role-based processing of received reports

→ Structured case processing for compliance personnel

→ Reminder functions and task management

→ Certified software system with latest standards

→ Highly secure SaaS operation or on-premise installation

HEALTH FACTOR

Health Factor is a tool for the analysis of the Human indicators of your business success. This completely new and innovative approach in the field of the occupational health helps you and your company increase productivity and keep employees at a constant high level. In an adaptable online assessment tool, data on the physical, psychological (optional) and social state of health of employees is collected with scientific methods. Health Factor's visually appealing and well-structured interface enables the easy operation of the tool. The design as well as the content can be customized depending on the company. Each participant receives the personal test result immediately after the completion of the survey. A graphic in traffic light colors as well as a school grading system with texts of the results and medical-scientific recommendations are provided for each participant.
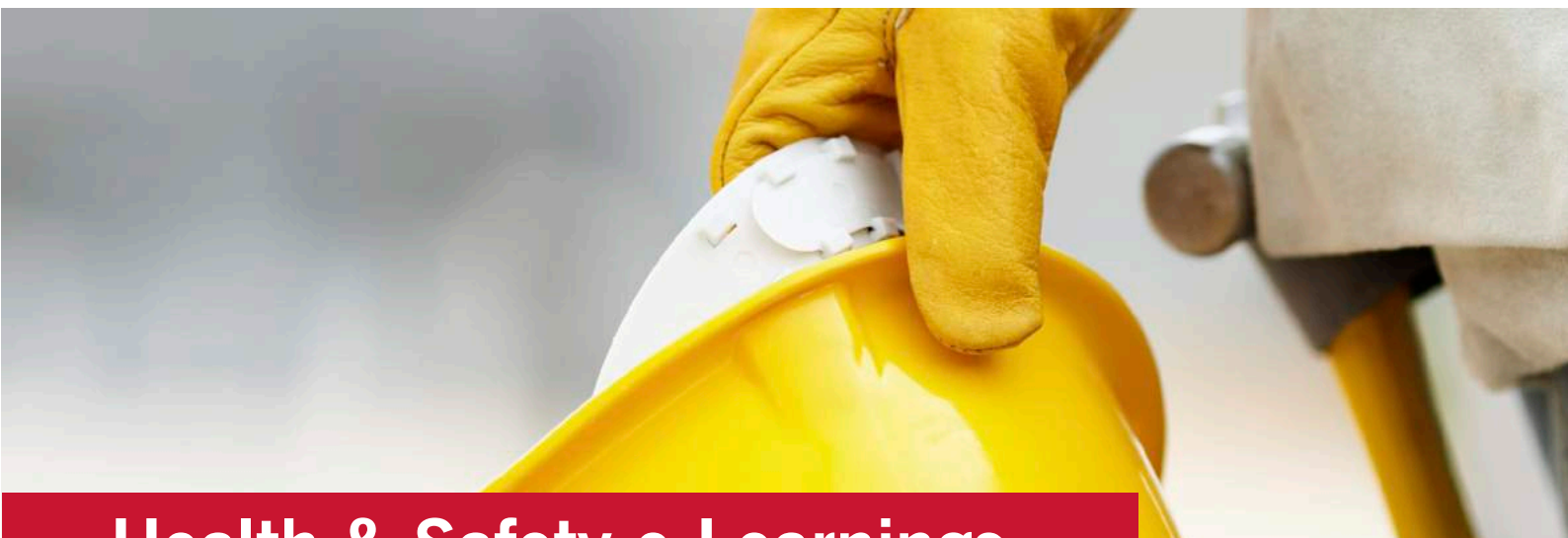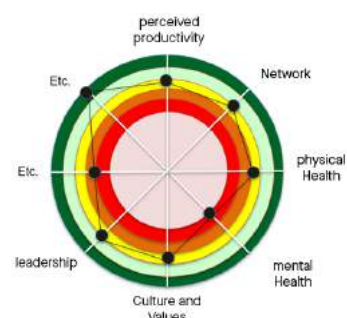
Health & Safety e-Learnings

Today more than ever, the safety and health-conscious behavior of all employees in a company has become an important competitive factor. Data leaks or psychological work overloads, for example, can have negative consequences for the competitiveness and productivity of a company and result in additional costs and economic damage. To ensure that all employees in a company think and act in a safe and health-conscious manner, rules of conduct must be communicated in an understandable manner. This requires regular sensitization to critical situations in everyday working life.

Examples for Health and Safety e-learnings:
- Fundamentals of care
- HACCP - Hygiene management
- Network and Information System Security Act

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v1